Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

GEOMETRY Period \_\_\_\_\_

**DESIGN YOUR OWN CITY!!**

You have the opportunity to design your own city! Be creative but make sure to meet all of the criteria listed below.

Your city must have:

* A name (written at the top of your plan)
* A population (written at the top of your plan)

Your city must have the following and be correct to receive full credit:

* 5 parallel streets (each street must be named)
* 2 transversal streets (each street must be named)

The following buildings (LABEL EACH BUILDING) must be placed as directed:

* A gas station and a restaurant (alternate exterior angles)
* Your house and a school (same side interior angle)
* A courthouse and a bank (vertical angles)
* A general store and a church (corresponding angles)
* A library and a park (alternate interior angles)
* A community pool and a convenience store (linear pair)

All names must be school appropriate.

Neatness is important!!

**THIS SHEET MUST BE TURNED IN WITH YOUR PROJECT!!!!**

Locations: (3 points each)

\_\_\_\_/3 A gas station and a restaurant (alternate exterior angles)

\_\_\_\_/3 Your house and a school (same side interior angle)

\_\_\_\_/3 A courthouse and a bank (vertical angles)

\_\_\_\_/3 A general store and a church (corresponding angles)

\_\_\_\_/3 A library and a park (alternate interior angles)

\_\_\_\_/3 A community pool and a convenience store(linear pair)

\_\_\_\_/18 **Total for Locations**

Other:

\_\_\_\_/2 City Name and Population (2 points)

\_\_\_\_/4 At least 5 parallel streets (4 points)

\_\_\_\_/2 At least 2 transversals (2 points)

\_\_\_\_/4 Neatness, Color, Creativity (4 points)

\_\_\_\_/12 **Total for Other**

\_\_\_\_/30 **PROJECT TOTAL**